

An Energy Efficiency Workshop & Exposition
Palm Springs, California

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FEMP Detailed Option A Guidelines

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Detailed Guidelines: What?

- Addendum to FEMP M&V Guidelines2.2; to be incorporated into 3.0 (?)
- Serves as reference and resource for Option A compliant M&V methods.
- Provides minimum requirements for most Option A methods in Guidelines.
- Provides recommended 'best practices' for Option A methods.

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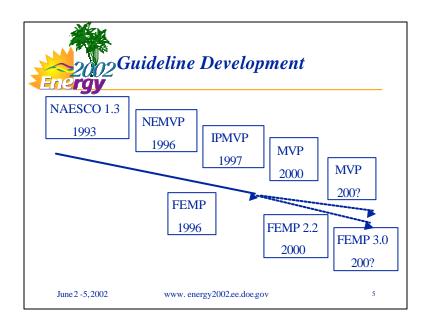


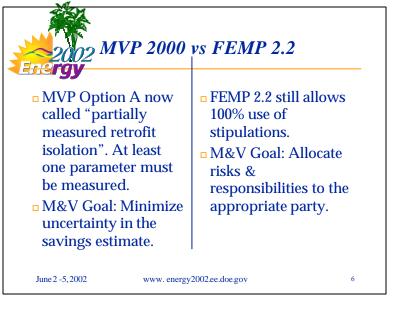
Detailed Guidelines: Why?

- 1999 report shows that Option A is most common in SuperESPC.
- Option A using 100% stipulated values very common.
- MVP 2000 now calls for '...at least one parameter to be measured'.

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- Comments and feedback from interested parties incorporated.
- □ Release date: Energy 2002 (June).
- □ Incorporates 'best practices' by ECM.
- Statistics and uncertainty discussion added.
- Available at http://ateam.lbl.gov/mv/

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Highlights

- Use of "stipulate" now consistent with IPMVP 2000, e.g.
 - □ STIPULATE = NOT MEASURED
- Guidelines deviate from MVP allows ALL values to be stipulated in certain cases.
- Standard lighting tables accepted as measurements.

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- □ The Guidelines provide
 - > Appropriate use of stipulations
 - > Acceptable sources of stipulations
 - Minimum M&V activities & reporting
 - Where FEMP deviates from IPMVP

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Appropriate use of Stipulations

- Agency willing to accept risk
- Agency has previous experience
- □ Probable success of ECM
- Small savings and/or small uncertainty
- □ Greater M&V costs not justified
- Stipulations don't add to uncertainty
- Monitoring serves no other purpose

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Inappropriate use of Stipulations

- Agency unwilling to assume risk
- Parameters not known with reasonable certainty
- Potential for technical problems
- Monitoring provides valuable information
- Stipulation significantly contributes to overall uncertainty

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Required Minimum M&V Activities

- Baseline definition in DES with supporting information.
- Post-installation report with first-year estimates.
- Annual M&V verification "potential to perform."
- Annual M&V reports.

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- Guidelines move M&V closer to IPMVP compliance while retaining flexibility.
- Guidelines provide specific recommendations for each ECM.
- □ Guidelines promote M&V that satisfies legal intent and enforces guarantees.

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